

=> d hist

(FILE 'HOME' ENTERED AT 20:53:56 ON 08 DEC 2003)

L1 FILE 'REGISTRY' ENTERED AT 20:54:27 ON 08 DEC 2003  
8 S KNLRRRIIRKIIHIKKYG/SQSP

L2 FILE 'CAPLUS' ENTERED AT 20:55:59 ON 08 DEC 2003  
10 S L1

FILE 'DGENE' ENTERED AT 20:58:30 ON 08 DEC 2003  
RUN GETSEQ

L3 RUN STATEMENT CREATED

L4 0 S L3 AND AD<19990818

FILE 'PCTGEN' ENTERED AT 21:02:00 ON 08 DEC 2003  
RUN GETSEQ

L5 RUN STATEMENT CREATED

> d hist

(FILE 'HOME' ENTERED AT 20:53:56 ON 08 DEC 2003)

L1 FILE 'REGISTRY' ENTERED AT 20:54:27 ON 08 DEC 2003  
8 S KNLRRRIIRKIIHIKKYG/SQSP

L2 FILE 'CAPLUS' ENTERED AT 20:55:59 ON 08 DEC 2003  
10 S L1

FILE 'DGENE' ENTERED AT 20:58:30 ON 08 DEC 2003  
RUN GETSEQ  
-----

L3 RUN STATEMENT CREATED  
L4 0 S L3 AND AD<19990818

FILE 'PCTGEN' ENTERED AT 21:02:00 ON 08 DEC 2003  
RUN GETSEQ  
-----

L5 RUN STATEMENT CREATED

L6 FILE 'REGISTRY' ENTERED AT 21:37:31 ON 08 DEC 2003  
0 S KNIRRIIRKIIHIKKYG  
L7 0 S KNIRRIIRKIIHIKKYG

L8 FILE 'CAPLUS' ENTERED AT 21:39:09 ON 08 DEC 2003  
0 S L7

FILE 'DGENE' ENTERED AT 21:39:57 ON 08 DEC 2003  
RUN GETSEQ KNIRRIIRKIIHIKKYG  
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L9 RUN STATEMENT CREATED

L10 FILE 'REGISTRY' ENTERED AT 21:44:53 ON 08 DEC 2003  
2 S KNIRRIIRKIIHIKKYG/SQEP

L11 FILE 'CAPLUS' ENTERED AT 21:45:21 ON 08 DEC 2003  
3 S L10

FILE 'REGISTRY' ENTERED AT 21:46:08 ON 08 DEC 2003

FILE 'CAPLUS' ENTERED AT 21:47:19 ON 08 DEC 2003

FILE 'PCTGEN' ENTERED AT 21:47:43 ON 08 DEC 2003  
RUN GETSEQ KNIRRIIRKIIHIKKYG  
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L12 RUN STATEMENT CREATED

L13 FILE 'REGISTRY' ENTERED AT 21:48:36 ON 08 DEC 2003  
0 S KNLRRRIIRKIIHIKKGPTILRIIRIIG/SQSP  
L14 0 S KIKEKLKKKIGQKIQGLL/SQSP  
L15 31 S RKFRNKIKEKLKKIG/SQSP

L16 FILE 'CAPLUS' ENTERED AT 21:52:13 ON 08 DEC 2003  
29 S L15  
L17 18 S L16 AND ANTIMICROBIAL

=>

FILE 'HOME' ENTERED AT 20:53:56 ON 08 DEC 2003

=> file registry  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 20:54:27 ON 08 DEC 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 7 DEC 2003 HIGHEST RN 624286-58-4  
DICTIONARY FILE UPDATES: 7 DEC 2003 HIGHEST RN 624286-58-4

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s knlrriirkiihiikkyg/sqsp  
L1 8 KNLRRRIIRKIIHIKKYG/SQSP

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
27.70	27.91

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 20:55:59 ON 08 DEC 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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strictly prohibited.

FILE COVERS 1907 - 8 Dec 2003 VOL 139 ISS 24  
FILE LAST UPDATED: 7 Dec 2003 (20031207/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s l1

L2 10 L1

=> d ibib tot

L2 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2002:594692 CAPLUS  
DOCUMENT NUMBER: 137:153832  
TITLE: Novel antiviral activities of primate theta defensins  
and mammalian cathelicidins  
INVENTOR(S): Maury, Wendy; Stapleton, Jack; Stinski, Mark; Roller,  
Richard; McCray, Paul B.; Tack, Brian  
PATENT ASSIGNEE(S): University of Iowa Research Foundation, USA  
SOURCE: PCT Int. Appl., 65 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002060468	A2	20020808	WO 2002-US2435	20020129
WO 2002060468	A3	20030123		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003022829	A1	20030130	US 2002-60102	20020129
PRIORITY APPLN. INFO.:			US 2001-265270P P	20010130
			US 2001-309368P P	20010801

L2 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2002:488235 CAPLUS  
DOCUMENT NUMBER: 137:57534  
TITLE: Novispirins as antimicrobial peptides  
INVENTOR(S): Lehrer, Robert I.; Waring, Alan J.; Tack, Brian F.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 27 pp., Cont.-in-part of U. S.  
Ser. No. 606,858.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002082195	A1	20020627	US 2001-840009	20010419
US 6492328	B2	20021210		
WO 2002000839	A2	20020103	WO 2001-US19094	20010613
WO 2002000839	A3	20030828		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,			

=> file pctgen  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
20.00	66.93

FULL ESTIMATED COST

FILE 'PCTGEN' ENTERED AT 21:02:00 ON 08 DEC 2003  
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FILE LAST UPDATED:	14 NOV 2003	<20031114/UP>
MOST RECENT PCT PUB DATE:	13 NOV 2003	<20031113/PD>

PCTGEN CURRENTLY CONTAINS 1,680,975 BIOSEQUENCES

>>> DOWNLOAD THE PCTGEN WORKSHOP MANUAL:  
[http://www.stn-international.de/training\\_center/bioseq/pctgen\\_wm.pdf](http://www.stn-international.de/training_center/bioseq/pctgen_wm.pdf)

>>> DOWNLOAD COMPLETE PCTGEN HELP AS PDF:  
[http://www.stn-international.de/training\\_center/bioseq/pctgen\\_help.pdf](http://www.stn-international.de/training_center/bioseq/pctgen_help.pdf)

>>> DOWNLOAD RUN BLAST/GETSIM FREQUENTLY ASKED QUESTIONS:  
<http://www.stn-international.de/service/faq/dgenefaq.pdf> <<<

=> run getseq  
PLEASE ENTER SEQUENCE PATTERN OR ?:KNLRRIIRKIIHIKKYG  
TYPE OF SEARCH ? (SQSP):sqsp

RUN GETSEQ AT 03:03:17 ON 09 DEC 2003  
COPYRIGHT (C) 2003 FIZ KARLSRUHE GMBH

L5 RUN STATEMENT CREATED  
L5 0 KNLRRRIIRKIIHIKKYG/SQSP

=>

UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2001068421 A5 20020108 AU 2001-68421 20010613  
EP 1359930 A2 20031112 EP 2001-946359 20010613

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLN. INFO.: US 2000-606858 A2 20000628  
US 2001-840009 A 20010419  
WO 2001-US19094 W 20010613

OTHER SOURCE(S): MARPAT 137:57534

L2 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:414523 CAPLUS

DOCUMENT NUMBER: 137:362556

TITLE: Activity of novispirin G10 against Pseudomonas  
aeruginosa in vitro and in infected burns

AUTHOR(S): Steinstraesser, Lars; Tack, Brian F.; Waring, Alan J.;  
Hong, Teresa; Boo, Lee M.; Fan, Ming-Hui; Remick,  
Daniel I.; Su, Grace L.; Lehrer, Robert I.; Wang,  
Stewart C.

CORPORATE SOURCE: Department of Surgery, University of Michigan, Ann  
Arbor, MI, USA

SOURCE: Antimicrobial Agents and Chemotherapy (2002), 46(6),  
1837-1844

CODEN: AMACQ; ISSN: 0066-4804

PUBLISHER: American Society for Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:403320 CAPLUS

DOCUMENT NUMBER: 137:165664

TITLE: Determination of membrane peptide orientation by  
1H-detected 2H NMR spectroscopy

AUTHOR(S): Yamaguchi, Satoru; Hong, Mei

CORPORATE SOURCE: Department of Chemistry, Iowa State University, Ames,  
IA, 50011, USA

SOURCE: Journal of Magnetic Resonance (2002), 155(2), 244-250

CODEN: JMRF3; ISSN: 1090-7807

PUBLISHER: Elsevier Science

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:335734 CAPLUS

DOCUMENT NUMBER: 137:304265

TITLE: Impact of single-residue mutations on the structure  
and function of ovispirin/novispirin antimicrobial  
peptides

AUTHOR(S): Sawai, Monali V.; Waring, Alan J.; Kearney, William  
R.; McCray, Paul B., Jr.; Forsyth, William R.; Lehrer,  
Robert I.; Tack, Brian F.

CORPORATE SOURCE: Department of Microbiology, University of Iowa College  
of Medicine, Iowa City, IA, 52242, USA

SOURCE: Protein Engineering (2002), 15(3), 225-232

CODEN: PRENE9; ISSN: 0269-2139

PUBLISHER: Oxford University Press  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2002:10643 CAPLUS  
DOCUMENT NUMBER: 136:74662  
TITLE: Pharmaceutical composition comprising novispirin  
INVENTOR(S): Lehrer, Robert I.; Waring, Alan J.; Tack, Brian F.  
PATENT ASSIGNEE(S): The Regents of the University of California, USA; The  
University of Iowa  
SOURCE: PCT Int. Appl., 42 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002000839	A2	20020103	WO 2001-US19094	20010613
WO 2002000839	A3	20030828		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002082195	A1	20020627	US 2001-840009	20010419
US 6492328	B2	20021210		
AU 2001068421	A5	20020108	AU 2001-68421	20010613
EP 1359930	A2	20031112	EP 2001-946359	20010613
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRIORITY APPLN. INFO.:			US 2000-606858	A 20000628
			US 2001-840009	A 20010419
			WO 2001-US19094	W 20010613
OTHER SOURCE(S): MARPAT 136:74662				

L2 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2001:799068 CAPLUS  
DOCUMENT NUMBER: 136:82518  
TITLE: Congeners of SMAP29 kill ovine pathogens and induce  
ultrastructural damage in bacterial cells  
AUTHOR(S): Kalfa, V. C.; Jia, H. P.; Kunkle, R. A.; McCray, P.  
B., Jr.; Tack, B. F.; Brogden, K. A.  
CORPORATE SOURCE: Respiratory Diseases of Livestock Research Unit,  
National Animal Disease Center, USDA Agricultural  
Research Service, Ames, IA, 50010, USA  
SOURCE: Antimicrobial Agents and Chemotherapy (2001), 45(11),  
3256-3261  
CODEN: AMACQ; ISSN: 0066-4804  
PUBLISHER: American Society for Microbiology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2001:730437 CAPLUS  
 DOCUMENT NUMBER: 136:50035  
 TITLE: Orientation and dynamics of an antimicrobial peptide in the lipid bilayer by solid-state NMR spectroscopy  
 AUTHOR(S): Yamaguchi, Satoru; Huster, Daniel; Waring, Alan; Lehrer, Robert I.; Kearney, William; Tack, Brian F.; Hong, Mei  
 CORPORATE SOURCE: Department of Chemistry, Iowa State University, Ames, IA, 500112, USA  
 SOURCE: Biophysical Journal (2001), 81(4), 2203-2214  
 CODEN: BIOJAU; ISSN: 0006-3495  
 PUBLISHER: Biophysical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2001:714132 CAPLUS  
 DOCUMENT NUMBER: 136:2776  
 TITLE: Cathelicidin peptides inhibit multiply antibiotic-resistant pathogens from patients with cystic fibrosis  
 AUTHOR(S): Saiman, Lisa; Tabibi, Setareh; Starner, Timothy D.; San Gabriel, Pablo; Winokur, Patricia L.; Jia, Hong Peng; McCray, Paul B., Jr.; Tack, Brian F.  
 CORPORATE SOURCE: Department of Pediatrics, Columbia University, New York, NY, 10032, USA  
 SOURCE: Antimicrobial Agents and Chemotherapy (2001), 45(10), 2838-2844  
 CODEN: AMACCQ; ISSN: 0066-4804  
 PUBLISHER: American Society for Microbiology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2001:137250 CAPLUS  
 DOCUMENT NUMBER: 134:188181  
 TITLE: Cathelicidin-derived peptides with broad spectrum antimicrobial activity  
 INVENTOR(S): Tack, Brian E.; McCray, Paul; Welsh, Michael; Travis, Sue M.; Lehrer, Robert  
 PATENT ASSIGNEE(S): University of Iowa Research Foundation, USA; The Regents of the University of California  
 SOURCE: PCT Int. Appl., 137 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012668	A1	20010222	WO 2000-US22781	20000818
WO 2001012668	C2	20020718		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,



LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,  
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,  
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 1999-149886P P 19990818

REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib hitseq 10

L2 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:137250 CAPLUS

DOCUMENT NUMBER: 134:188181

TITLE: Cathelicidin-derived peptides with broad spectrum  
antimicrobial activity

INVENTOR(S): Tack, Brian E.; McCray, Paul; Welsh, Michael; Travis,  
Sue M.; Lehrer, Robert

PATENT ASSIGNEE(S): University of Iowa Research Foundation, USA; The  
Regents of the University of California

SOURCE: PCT Int. Appl., 137 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012668	A1	20010222	WO 2000-US22781	20000818
WO 2001012668	C2	20020718		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,  
CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,  
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,  
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

US 1999-149886P P 19990818

IT 326855-39-4 326855-45-2 326855-55-4

RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)

(cathelicidin-derived peptides with broad spectrum antimicrobial  
activity)

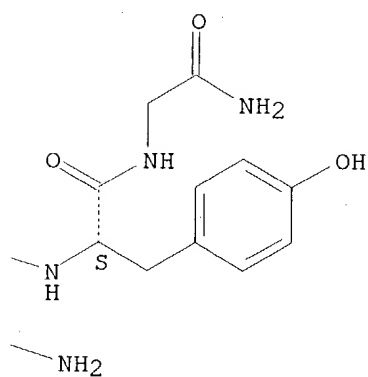
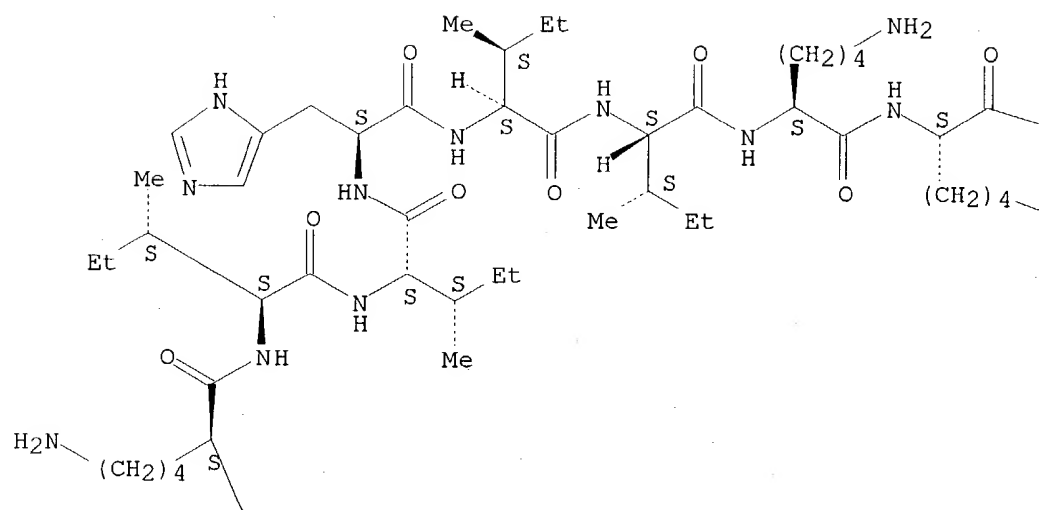
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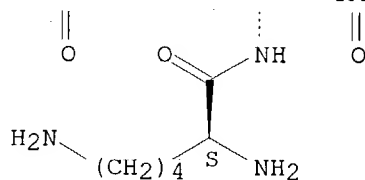
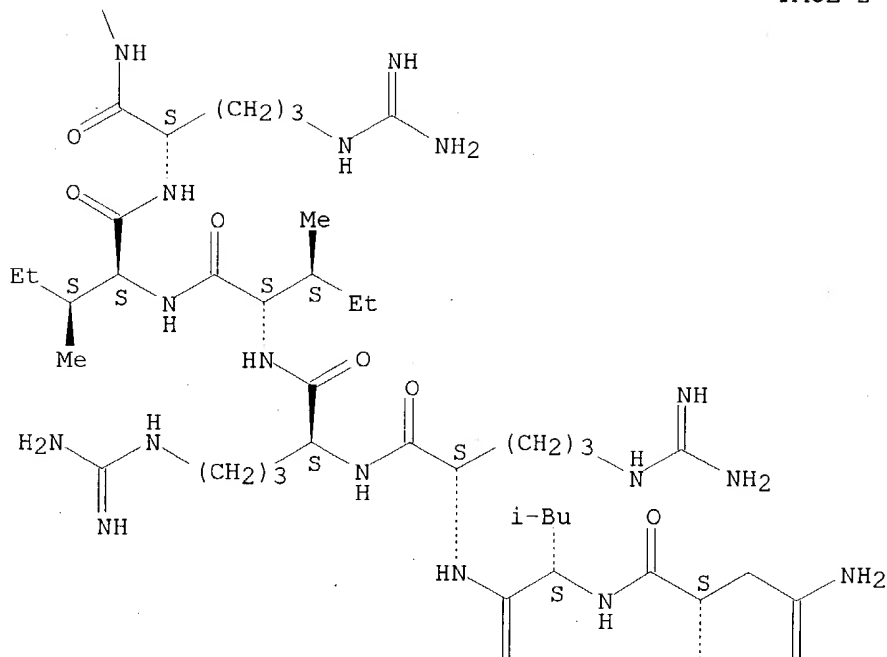
CN Glycinamide, L-lysyl-L-asparaginyl-L-leucyl-L-arginyl-L-arginyl-L-  
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L-isoleucyl-L-isoleucyl-L-lysyl-L-lysyl-L-tyrosyl- (9CI) (CA INDEX NAME)

NTE modified

SEQ 1 KNLRRRIIRKI IHIKKYG

Absolute stereochemistry.

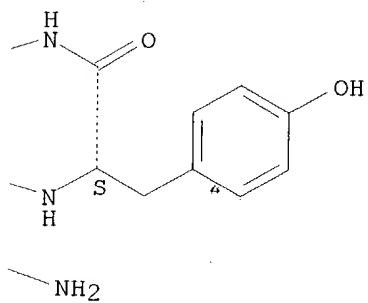
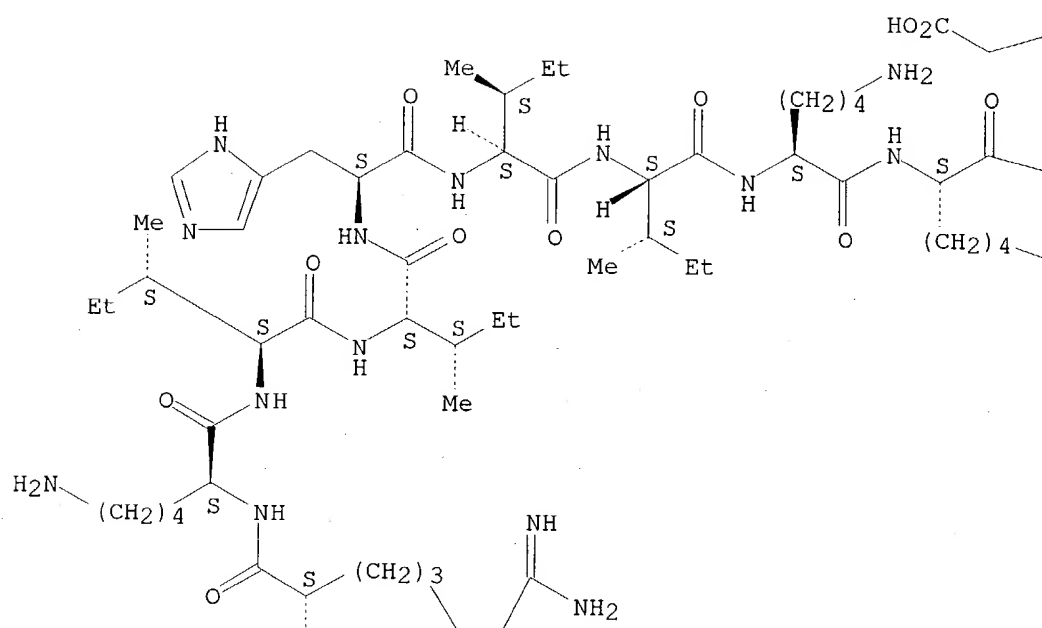


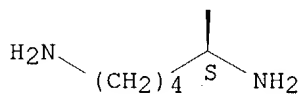
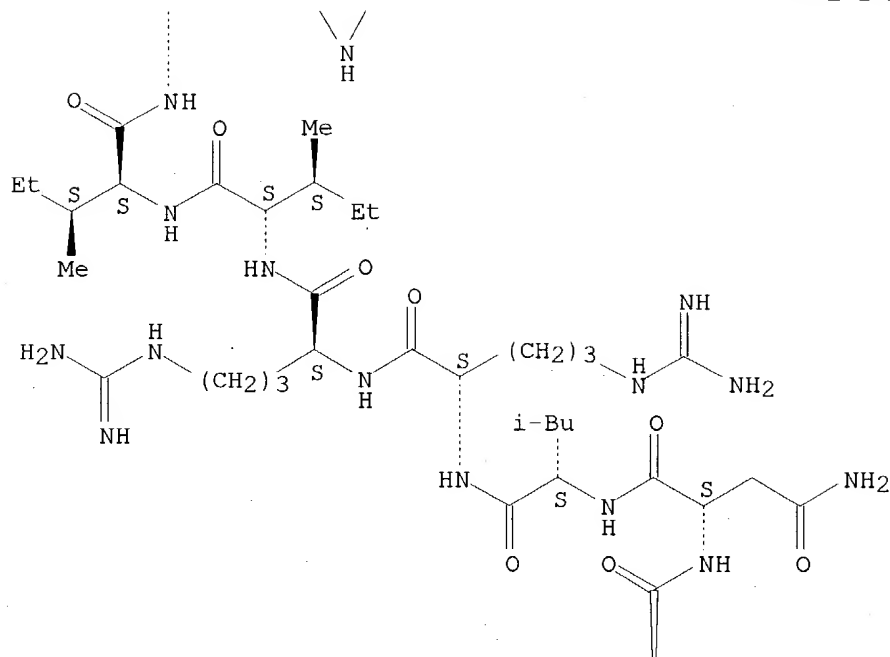


RN	326855-45-2	CAPLUS
CN	Glycine, L-lysyl-L-asparaginyl-L-leucyl-L-arginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-arginyl-L-lysyl-L-isoleucyl-L-isoleucyl-L-histidyl-L-isoleucyl-L-isoleucyl-L-lysyl-L-lysyl-L-tyrosyl- (9CI) (CA INDEX NAME)	

SEQ 1 KNLRRIRKI IHIIKKYG

Absolute stereochemistry.



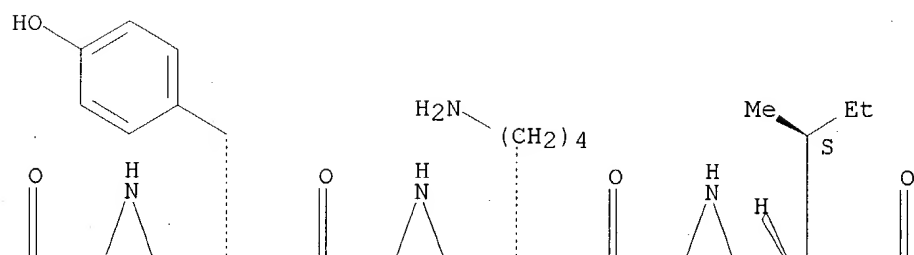
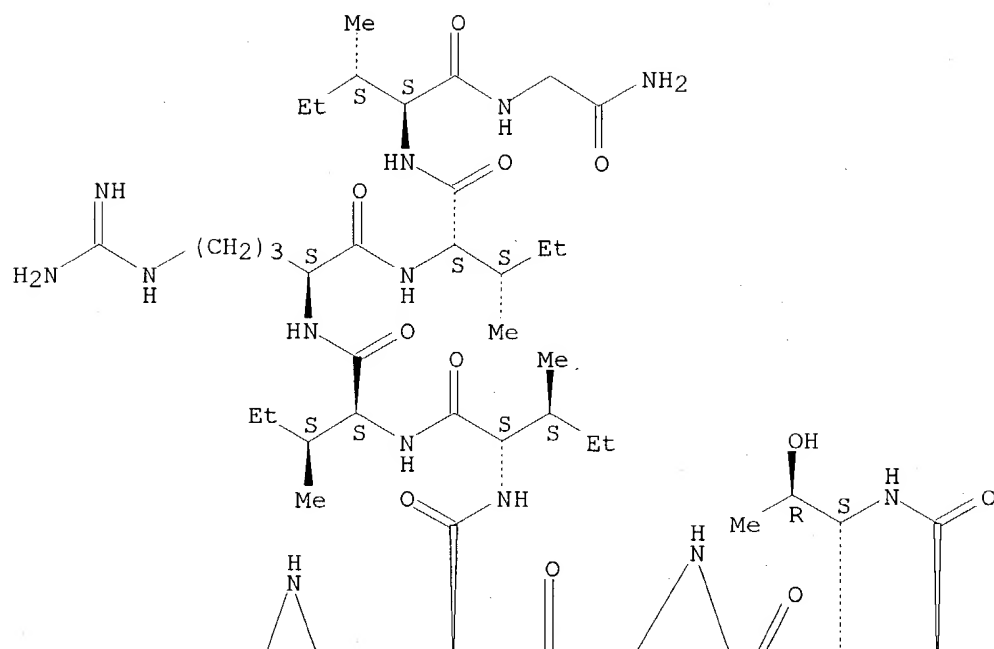


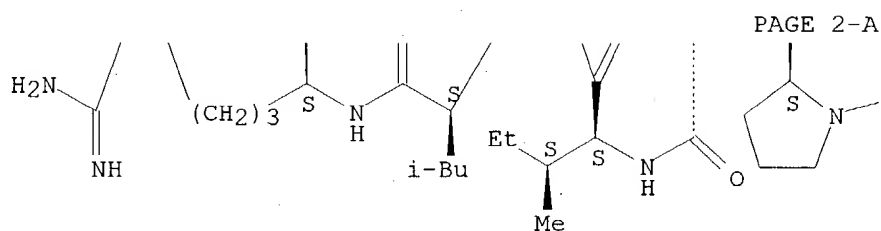
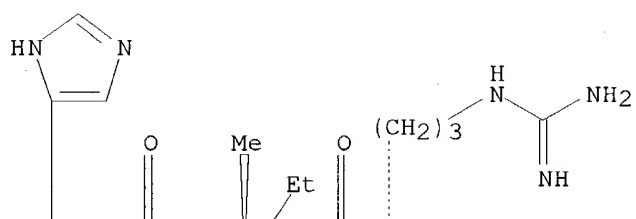
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NTE modified

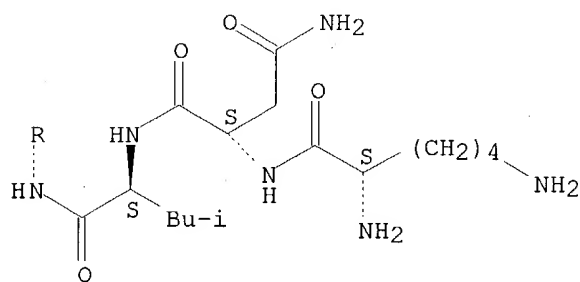
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Absolute stereochemistry.

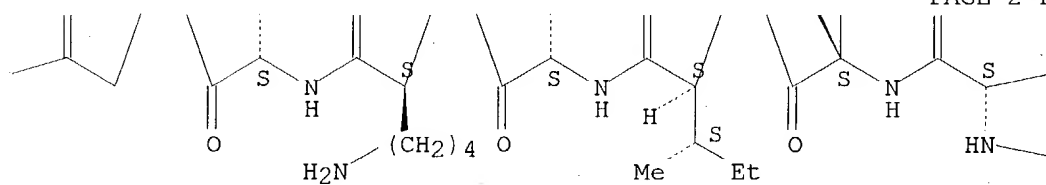




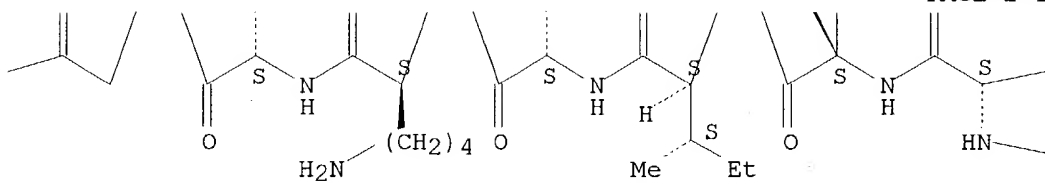
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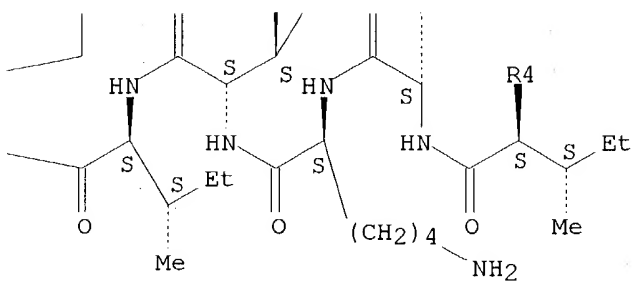
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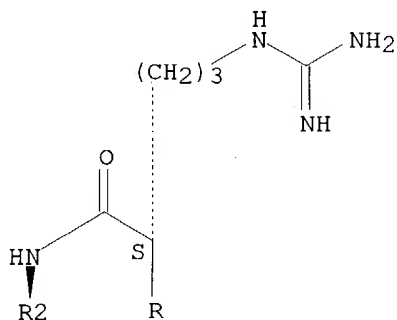
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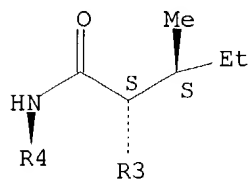
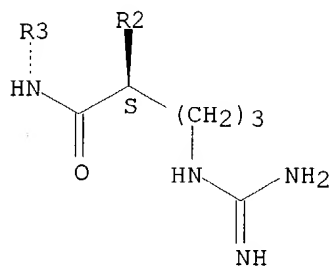
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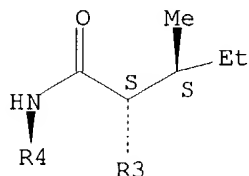
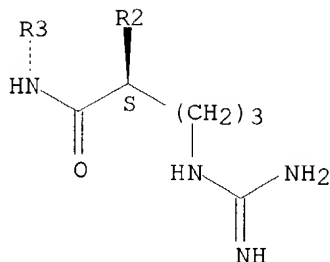
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